

Fig. 1A

VO 1 2 3 4 5 ... (KEPAPTT)₇₆... 7 8 9 10-12

V1 1 2 3 4 ... (KEPAPTT)₇₆... 7 8 9 10-12

V2 1 2 3 ... (KEPAPTT)₇₆... 7 8 9 10-12

V3 1 3 ... (KEPAPTT)₇₆... 7 8 9 10-12

2 3

Somatomedin B-like Domain

4 5

Heparin Sulfate Binding Domain

... (KEPAPTT)₇₆...

Exon 6 Boundary Lubrication Domain

8 9

Hemopexin-like Repeats

Fig. 1B

Lubricin/MSF Isoform	Articular Chondrocytes			Synovial Fibroblasts			Predicted Molecular Weight
	Exon 2	Exon 4	Exon 5	Exon 2	Exon 4	Exon 5	
V0	+	+	+	+	+	+	151.096 kDa
V1	+	+	-	+	+	-	146.327 kDa
V2	+	-	-	+	-	-	140.894 kDa
V3	-	-	-	-	-	-	135.207 kDa

Fig. 2

exon 4

exon 6

exon 3

exon 6

exon 1

exon 3

exon 6

V^{200}	K	D	N^{203}
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